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PATENT ABSTRACTS OF JAPAN(21) Application number: **54039128**(51) Intl. Cl.: **C02F 1/40**(22) Application date: **30.03.79**

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publication: **15.10.80**(84) Designated contracting
states:(71) Applicant: **HITACHI PLANT ENG & CONSTR
CO LTD**(72) Inventor: **KAWAJIRI HITOSHI**

(74) Representative:

**(54) SCUM RAKER FOR
ROUND SEDIMENTATION
BASIN**

(57) Abstract:

PURPOSE: To send scum into a scum-throwing hole exactly by forming the titled scum raker part making up a scum skimmer into a triangular hollow bar shape.

CONSTITUTION: When the vertical shaft 4 is rotated by the motor 3 to turn the rectifying cylinder 6, the scum skimmer 7 moves swirlingly on the water surface of the round sedimentation basin 1 to rake scum floating on the water surface and then comes near the scum pipe 11. Furthermore, the scum skimmer 7 is pushed down by the guide plate 22 and then passed by below the scum pipe 11 in the flatted state. When it has passed by the scum pipe 11 completely, the scum skimmer 7 is soon uprisen by the action of the balancing weight 17 and also by the buoyancy to which the said triangular hollow bar-like part 15 is subjected and then makes a swirling movement on the water surface in the uprisen state under the regulation of the

stopper 21 to effect its scum raking function again. Thus, the scum can be exactly send into the scum-throwing hole 13 formed in the periphery of the scum pipe 11.

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